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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number		
				Filing Date		
				First Named Inventor	Batho et al.	
				Group Art Unit		
Examiner Name						
Sheet	1	of	3	Attorney Docket Number	89.0503	
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ²			
	1	1,720,863		Stebbins	7/1929	
	2	2,114,780		Juelson	4/1938	
	3	2,158,717		Brock	5/1939	
	4	2,732,032		Sandison	1/1956	
	5	2,744,721		Hatch	5/1956	
	6	3,289,608		Laval, Jr.	12/1966	
	7	3,512,651		Laval, Jr.	5/1970	
	8	3,605,887		Lambie	9/1971	
	9	3,765,483		Vencil	10/1973	
	10	3,944,380		Kampe	3/1976	
	11	4,047,912		Markland	9/1977	
	12	4,066,552		Caine	1/1978	
	13	4,072,481		Laval, Jr.	2/1978	
	14	4,155,681		Linko, III et al.	5/1979	
	15	4,183,722		Roeder	1/1980	
	16	4,294,573		Erickson et al.	10/1981	
	17	4,330,306		Salant	5/1982	
	18	4,390,061		Short	6/1983	
	19	4,588,351		Miller	5/1986	
	20	4,790,376		Weeks	12/1988	
	21	4,971,518		Florin	11/1990	
	22	5,000,769		Raguideau et al.	3/1991	
	23	5,033,545		Sudol	7/1991	
	24	5,277,232		Borsheim	1/1994	
	25	5,368,735		Ford	11/1994	
	26	5,372,190		Coleman	12/1994	
	27	5,482,117		Kolpak et al.	1/1996	
	28	5,555,934		Haufler	9/1996	
	29	5,562,161		Hisaw et al.	10/1996	
	30	RE 35,454		Cobb	2/1997	
	31	5,662,167		Patterson et al.	9/1997	
	32	5,881,814		Mills	3/1999	
	33	6,017,198		Traylor et al.	1/2000	
	34	6,026,904		Burd et al.	2/2000	
	35	6,045,333		Breit	4/2000	
	36	6,167,960		Moya	1/2001	
	37	6,168,388		Hughes et al.	1/2001	
	38	6,189,613		Chachula et al.	2/2001	
	39	6,216,788		Wilson	4/2001	

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				Group Art Unit	
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Sheet	3	of	2	Attorney Docket Number	89.0503

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	50	P.M. Carvalho, A.L. Podio, K. Sepehmoori, entitled "Modeling A Jet Pump With An Electrical Submersible Pump For Production Of Gassy Petroleum Wells", SPE 48934, pp. 1-13, 1986, Society of Petroleum Engineers, Inc.	
	51	"Schlumberger HydroLift - Jet and piston pump systems for temporary and long-term applications", Schlumberger catalog – SMP-5849, 15 pgs, June 2003, U.S.	
	52	"HydroLift standard- and reverse-circulation jet pumps in sliding sleeves", Schlumberger catalog – SMP-5849-4, 2 pgs, June 2003, U.S.	

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